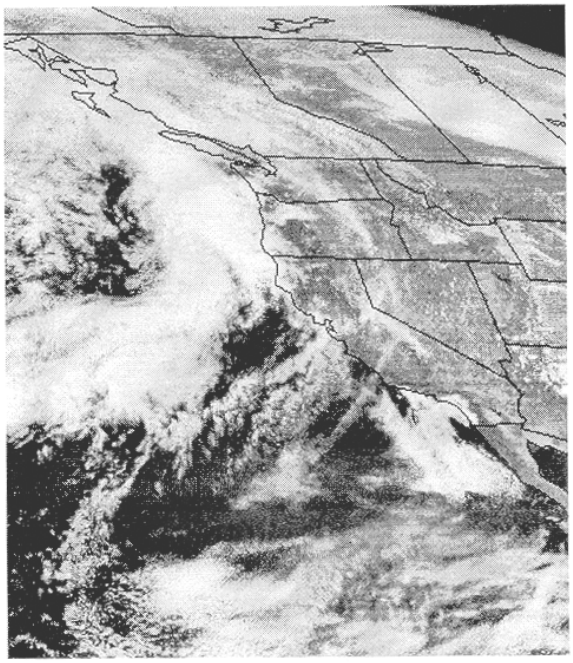
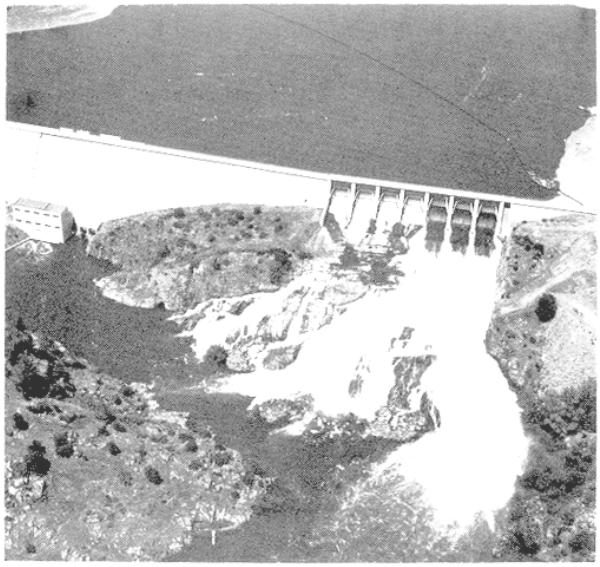
California
Water Supply Outlook

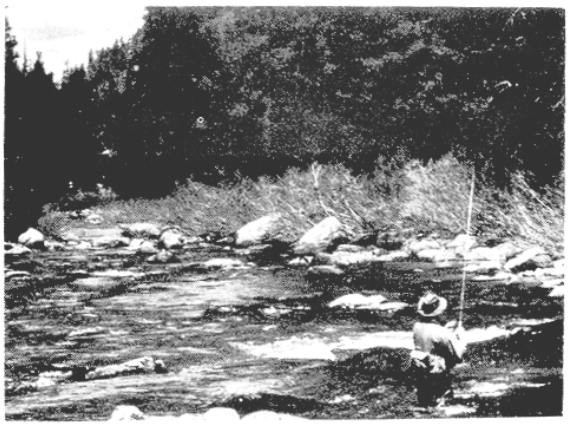
February 2003

Compiled by the
Division of Flood Management,
Flood Operations and Hydrology Branches

Climate and Weather . . . Snowpack . . . Streamflow . . . Reservoir Storage







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The data in this publication are preliminary and may be subject to revision.

Water Supply Outlook used to be published on a semimonthly basis by the Hydrology and Flood Operation Office of the Division of Flood Management, and provided a statewide summary of current hydrologic conditions.

Due to the increasing cost of publishing and mailing, as well as a desire by the public for more timely and additional information, Water Supply Outlook will now only be available through the Internet. This product contains a series of links to html, text, and pdf format reports, which will allow more frequent updates of data and information. This is a "work-in-progress" and will be improved as funds and time allow.

For more details, contact:

Water Supply Outlook
Division of Flood Management
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Also of interest, the California Cooperative Snow Surveys, a unit of the Division of Flood Management, publishes Bulletin 120**,** ***Water Conditions in California*****:**

http://cdec4gov.water.ca.gov/snow/bulletin120/

This bulletin is published monthly by the Department of Water Resources from February 1 to May 1, with a final Fall Report at the end of the water year. Bulletin 120 provides forecasts of unimpaired runoff for California rivers, along with precipitation, snowpack, and reservoir storage data. To receive Bulletin 120, contact the Department of Water Resources Mailing List Coordinator:

Department of Water Resources
The Resources Agency
State of California
P.O. Box 942836
Sacramento, CA 94236-0001

916-653-0995

California Department of Water Resources
Division of Flood Management / Hydrology Branch

California Water Conditions Synopsis for January 2003

For the second year in a row California has seen a good head start to the water year fade during January. Over half of the rainy season is past. As of now, forecasts call for a subnormal water year overall, but not drought, with wetter conditions in the north, drier in the south, and still with a large range in possible outcomes. Much above average winter temperatures and liberal rain in the northern end of the state have boosted reservoir storage ahead of last year.

Precipitation from October 1 through January 31 was 110 percent of average compared to 100 percent last year. Again southern California percentages are low while the north coast region is well above average. December had 200 percent of average, but January precipitation was only 45 percent, with less than an inch in the southern Sierra.

Snowpack water content was 100 percent of average on February 1 compared to 120 percent last year. At the end of December, the pack was 160 percent of average, but lack of accumulation during January and warm weather at middle elevations erased the advantage. The pack is about 65 percent of the April 1 average, which is the normal date of maximum accumulation. The warm January weather has increased the chance of early snowmelt this spring.

Runoff from the December storms raised several reservoirs to flood control status and weir overflow into the Sacramento Valley bypass floodway system occurred during much of January. Total runoff so far this season is above average at 120 percent compared to 100 percent last year.

Forecasts of April through July runoff, assuming normal weather for the remainder of the season, are below average at 85 percent overall. Water year forecasts, which include the high December flows, are 95 percent of average. The runoff forecasts are highest in northern basins. As of February 1, the forecasted Sacramento River Index (SRI) was 99 percent of average, the Sacramento Valley Index (40−30−30) year type was above normal, and the San Joaquin Valley Index (60−20−20 SJI) year type was below normal.

Reservoir storage overall was 100 percent of average for this date, the same as last year. The reservoirs in the north contain more than one year ago, those to the south and the east side of the Sierra contain less. Storage in most major reservoirs remains well below winter flood control limits.

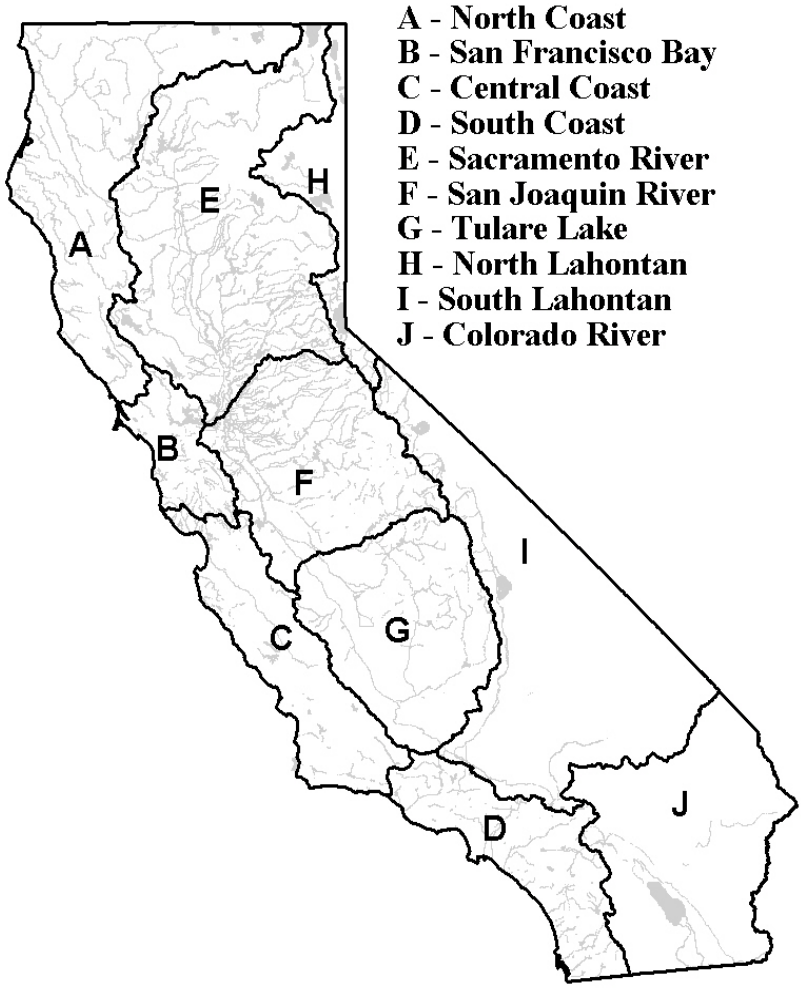
Summary of Water Conditions in California*

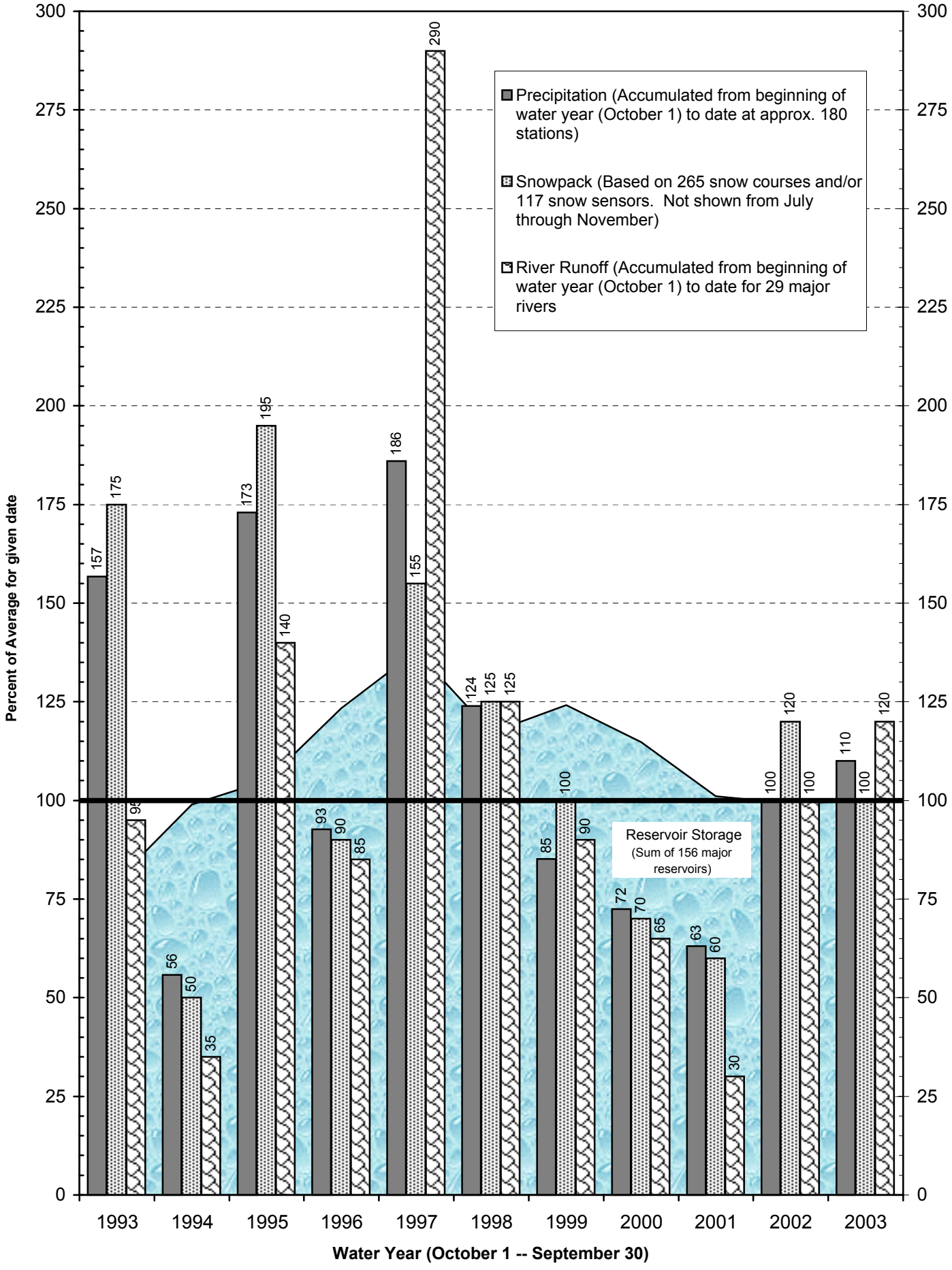
February 1, 2003

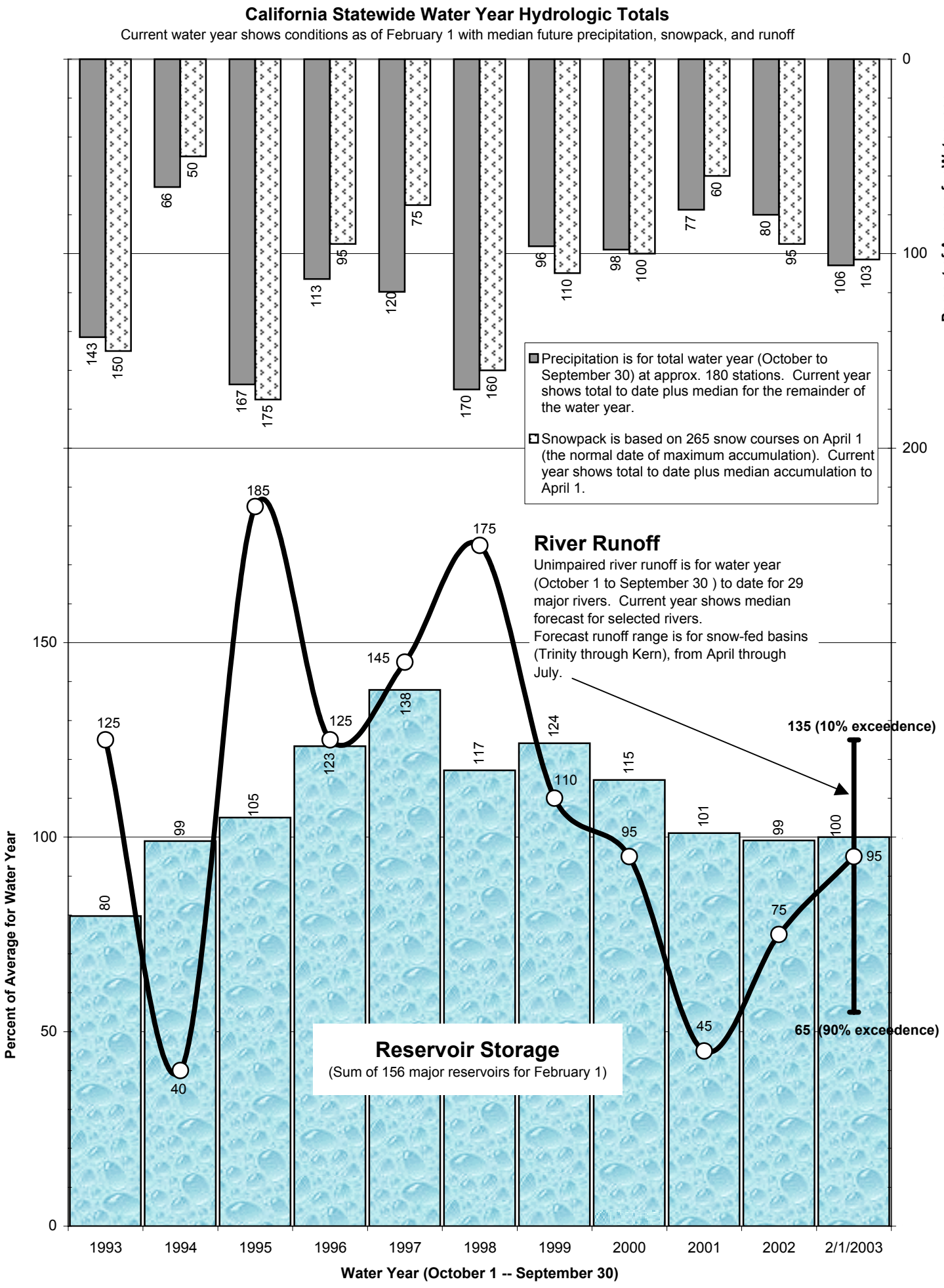
(percent of average)

Hydrologic Region	Precip Oct 1-date	Snow Water Content	Reservoir Storage Jan 31	Runoff Oct 1-date	Runoff Apr thru Jul Forecast	Runoff Water Year Forecast
North Coast	130	155	105	140	115	120
San Francisco Bay	135	---	105	165	---	---
Central Coast	110	---	105	130	---	---
South Coast	65	---	80	30	---	---
Sacramento River	120	100	110	120	90	100
San Joaquin River	95	95	100	65	85	80
Tulare Lake	100	85	70	105	80	80
North Lahontan	105	115	40	70	85	80
South Lahontan	85	105	95	70	90	85
Colorado River	15	---	---	---	---	---
Statewide	110	100	100	120	85	95
Last Year, Statewide:						
February 1, 2002	100	120	100	100	95	90

*From Bulletin 120-1-03, Water Conditions in California.



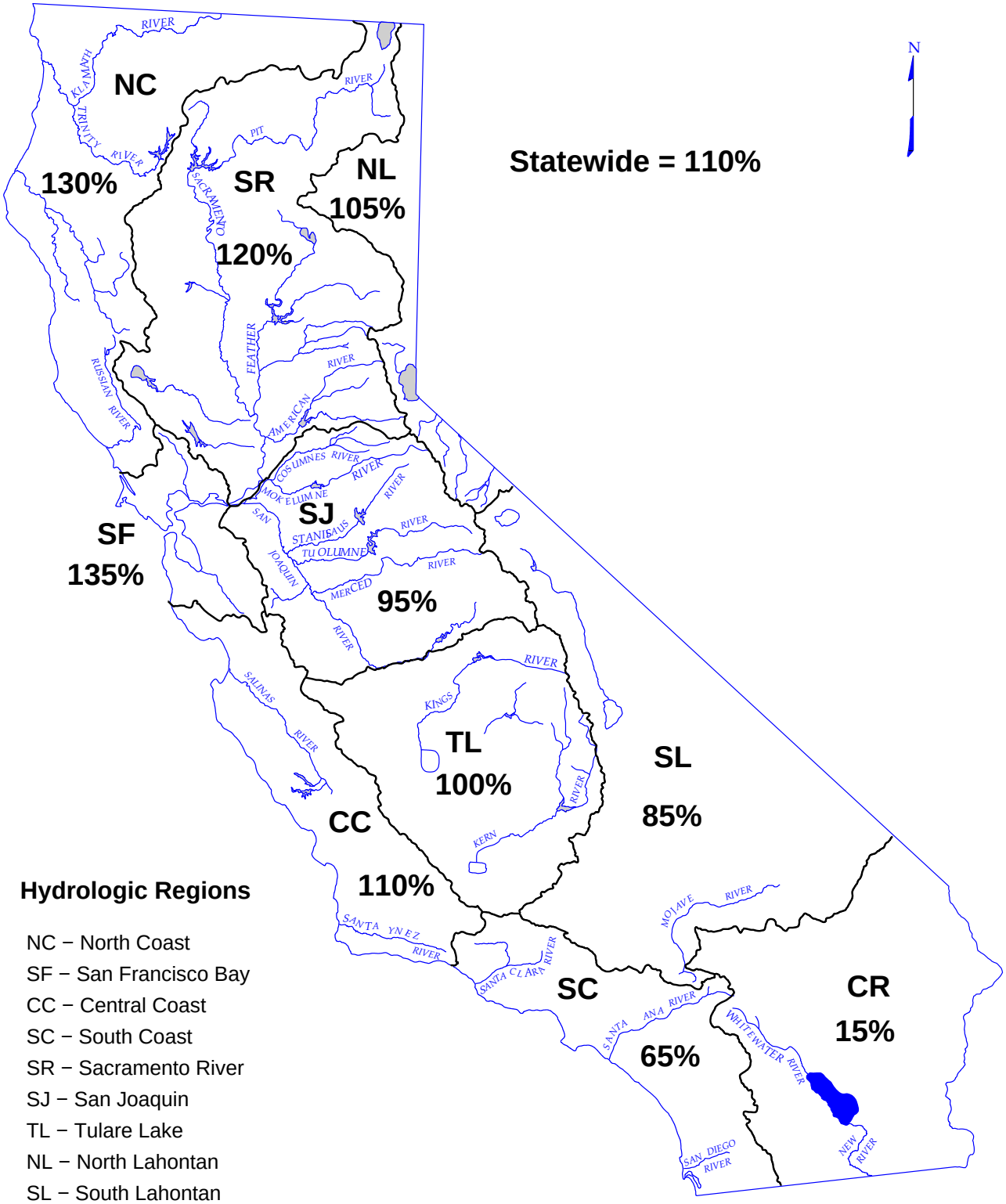

California Statewide Hydrologic Conditions as of February 1
Precipitation (Accumulated from beginning of water year (October 1) to date at approx. 180 stations)
Snowpack (Based on 265 snow courses and/or 117 snow sensors. Not shown from July through November)
River Runoff (Accumulated from beginning of water year (October 1) to date for 29 major rivers
Reservoir Storage
(Sum of 156 major reservoirs)
Percent of Average for given date
Water Year (October 1 -- September 30)
0
25
50
75
100
125
150
175
200
225
250
275
300
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
157
175
94
56
50
35
173
195
140
93
90
85
186
155
290
124
125
125
85
100
90
72
70
65
63
60
30
100
120
100
110
100
120


California Statewide Water Year Hydrologic Totals
Current water year shows conditions as of February 1 with median future precipitation, snowpack, and runoff
Percent of Average for Water year
0
100
200
143
150
66
50
167
175
113
95
120
75
170
160
96
110
98
100
77
60
80
95
106
103
Precipitation is for total water year (October to September 30) at approx. 180 stations. Current year shows total to date plus median for the remainder of the water year.
Snowpack is based on 265 snow courses on April 1 (the normal date of maximum accumulation). Current year shows total to date plus median accumulation to April 1.
River Runoff
Unimpaired river runoff is for water year (October 1 to September 30) to date for 29 major rivers. Current year shows median forecast for selected rivers.
Forecast runoff range is for snow-fed basins (Trinity through Kern), from April through July.
135 (10% exceedence)
65 (90% exceedence)
Reservoir Storage
(Sum of 156 major reservoirs for February 1)
Percent of Average for Water Year
0
50
100
150
80
99
105
123
138
117
124
115
101
99
100
125
40
185
125
145
175
110
95
45
75
95
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2/1/2003
Water Year (October 1 -- September 30)

SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE

October 1, 2002 through January 31, 2003



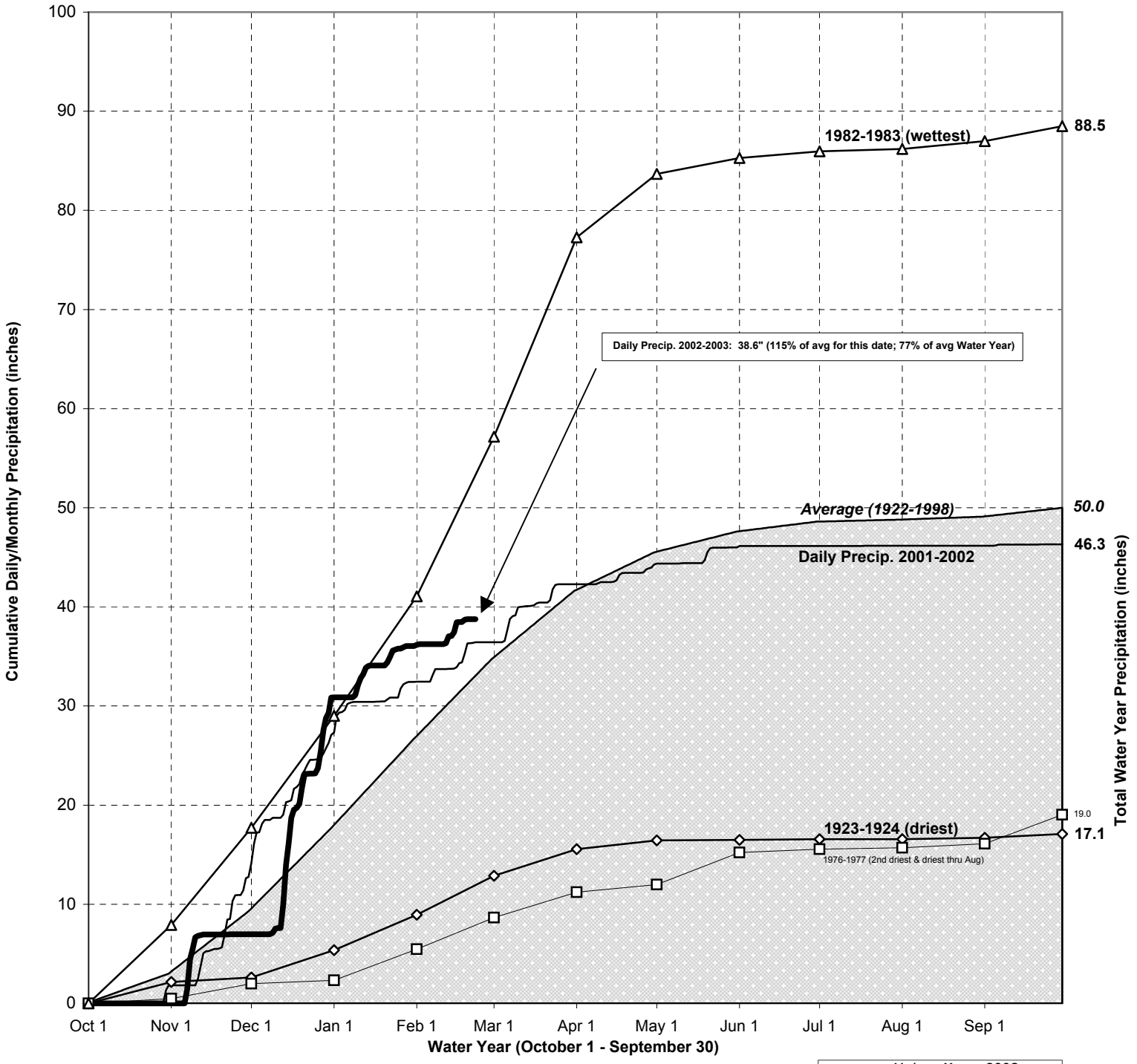
Hydrologic Regions

NC − North Coast
SF − San Francisco Bay
CC − Central Coast
SC − South Coast
SR − Sacramento River
SJ − San Joaquin
TL − Tulare Lake
NL − North Lahontan
SL − South Lahontan
CR − Colorado River−Desert

WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

Northern Sierra Precipitation: 8-Station Index*

February 24, 2003



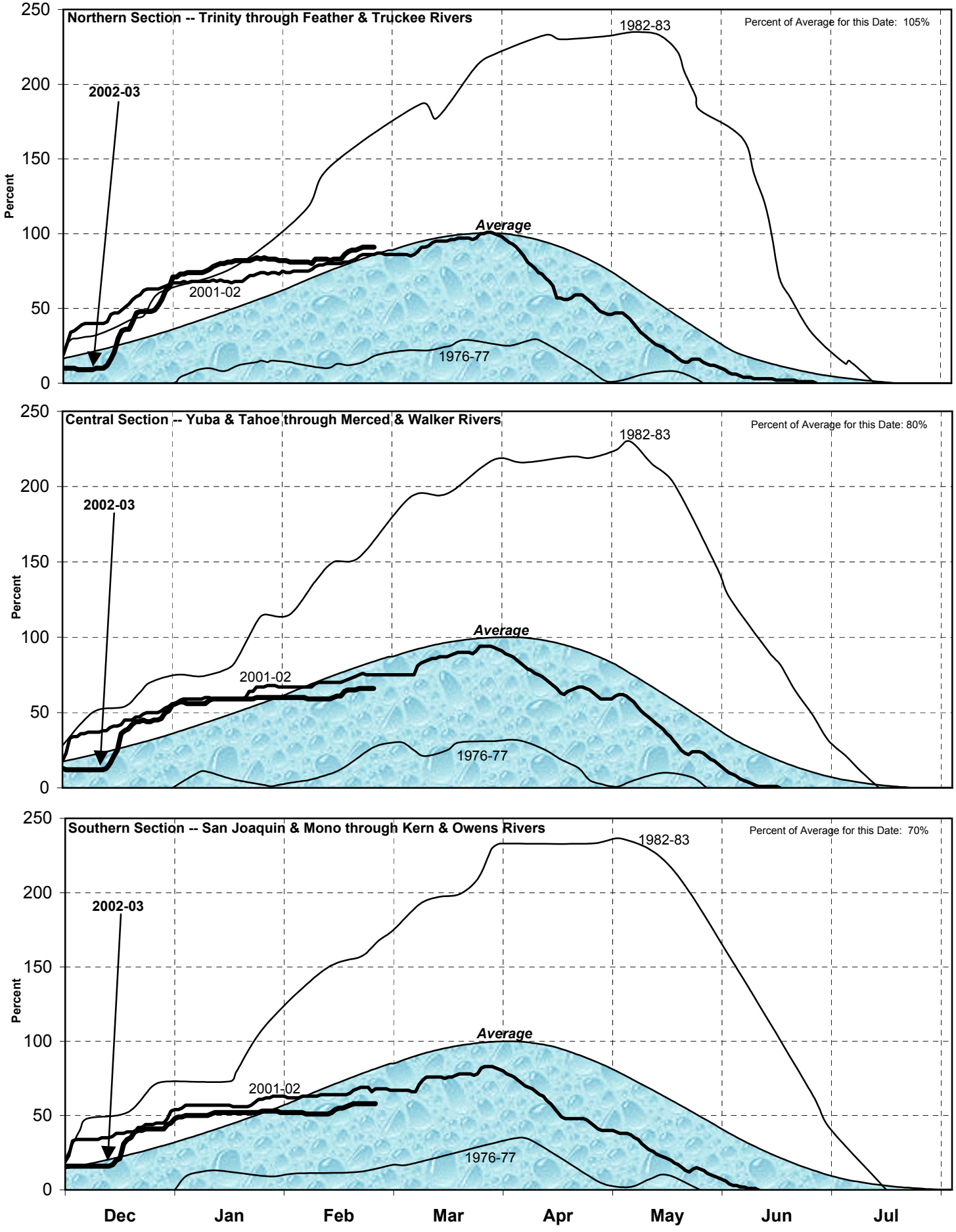
*The average of eight precipitation stations serves as a generalized wetness index for the Sacramento River hydrologic region. It provides a representative sample of the region's major watersheds: the upper Sacramento, Feather, Yuba, and American rivers, which produce inflow to some of California's largest reservoirs--the source of much of our water supply. The eight stations are: Blue Canyon, Brush Creek RS, Mineral, Mount Shasta City, Pacific House, Quincy RS, Shasta Dam, Sierraville RS.

Water Year 2003			
	Total	Avg	%Avg
Oct:	0.0"	3.0"	0%
Nov:	6.9"	6.3"	110%
Dec:	23.8"	8.4	283%
Jan	5.2"	9.0"	58%
Feb	2.6"	8.0"	33%
Mar		6.9"	
Apr		3.9"	
May		2.1"	
Jun		1.0"	
Jul		0.2"	
Aug		0.3"	
Sept		0.9"	
Total:	38.6"	50.0"	77%

California Snow Water Content, February 24, 2003

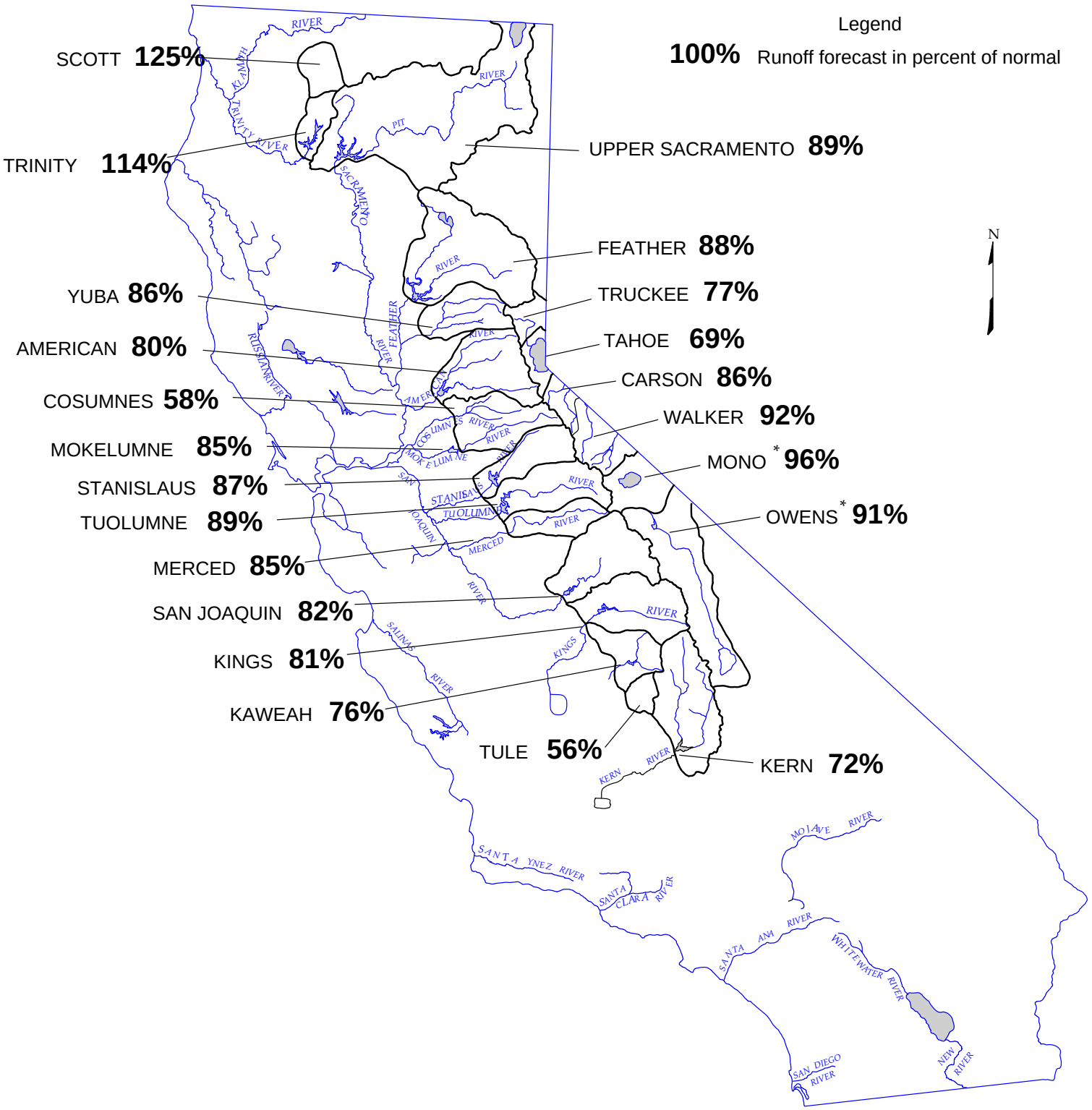
Percent of April 1 Average*

*April 1 is the normal date of maximum accumulation for the season.



Note: *Water Year 1976-77 was the record minimum and Water Year 1982-83 was the record maximum.*

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
FORECAST OF APRIL – JULY
UNIMPAIRED SNOWMELT RUNOFF
February 1, 2003



* FORECAST BY DEPARTMENT OF WATER AND POWER, CITY OF LOS ANGLES

Regional Reservoir Water Storage Summary

Sum of storage at major California reservoirs in (1,000 Acre-Feet)

As of January 31, 2003

Region	Number of Res.	Total Capacity	Historic Average	End-of-month January storage in calendar year: 1977	1983	1998	1999	2000	2001	2002	2003
North Coast	7	3,148	2,193	1,264	2,383	2,290	2,408	2,423	2,012	2,103	2,353
SF Bay	18	694	467	291	629	561	509	489	446	485	489
Central Coast	6	970	581	460	901	701	800	695	712	744	605
South Coast	29	1,989	1,384	909	1,559	1,372	1,564	1,405	1,239	1,276	1,108
Sacramento R	43	16,001	10,704	6,262	12,795	11,729	12,116	11,470	9,479	10,631	11,536
San Joaquin R	34	11,439	6,823	2,931	7,609	8,058	8,795	7,923	7,619	7,068	6,686
Tulare Lake	6	2,044	777	441	1,236	934	1,036	741	660	648	558
North Lahontan	5	1,072	551	241	844	779	885	805	637	324	233
South Lahontan	8	402	266	165	334	269	272	273	288	272	256
State Total	156	37,762	23,749	12,967	28,294	26,696	28,389	26,228	23,097	23,556	23,827
Percent of Average				54%	119%	112%	119%	110%	97%	99%	100%

Comments:
The 1983 through 2001 storage amounts include New Melones and Warm Springs Reservoirs which began operation after 1977, the new Spicer Meadows Reservoir on the Stanislaus River which began operation in 1989, and Los Vaqueros Reservoir which began operation in 1998.

The 1983 column shows storage in the wettest runoff year this century (1977 was the driest)

Water Storage in Selected California Reservoirs
(1,000 Acre-Feet)

Reservoir	Cap	Hist Avg	End-of-month January storage in calendar year: 1977	1983	1998	1999	2000	2001	2002	2003
NORTH COAST:										**NC**
Klamath River (Interstate)										
Upper Klamath Lake	873.3	333.6	328.7	342.3	417.7	387.5	390.0	333.9	376.9	350.9
Shasta River										
L. Shastina (Dwinnell)	50.0	27.6	13.0	48.0	30.8	37.1	26.0	15.9	17.0	31.5
Humboldt MWD										
Ruth Lake	51.8	47.3	17.3	54.4	51.3	48.9	50.3	26.8	48.5	48.9
Russian River										
Lake Sonoma	381.0	213.6	0.0	0.0	257.1	234.9	226.6	204.3	243.6	244.7
SAN FRANCISCO BAY:										**SFB**
Marin MWD										
Soulajule Reservoir	10.6	8.7	0.0	10.6	10.6	10.0	8.5	6.9	10.6	10.6
Nicasio Reservoir	22.4	18.6	0.6	22.4	22.4	22.4	20.2	17.7	22.4	22.4
Kent Lake	32.9	22.5	1.1	23.5	32.9	28.2	22.2	22.2	32.9	32.9
Alpine Lake	8.9	7.9	6.1	8.9	8.9	8.9	6.0	6.7	8.9	8.9
SUM	74.8	57.6	7.8	65.4	74.8	69.5	56.9	53.5	74.8	74.8
East Bay MUD										
San Pablo Reservoir	38.6	29.4	18.8	35.8	34.4	28.7	25.0	26.5	30.9	30.7
Briones Reservoir	60.5	56.3	58.7	58.5	59.1	54.0	52.7	57.0	58.9	57.4
U San Leandro R.	38.0	31.3	17.8	41.4	38.5	32.7	31.6	28.5	28.4	30.6
Lake Chabot	10.4	9.7	--	10.1	10.6	8.8	8.7	8.3	8.8	8.7
Pardee Reservoir (1)	198.0	178.6	68.6	189.1	166.0	172.8	187.6	165.3	167.5	171.7
Camanche Res. (1)	417.1	243.3	168.0	288.0	321.3	318.4	309.5	296.4	239.5	282.8
SUM	762.5	548.6	331.8	622.9	630.0	615.3	615.1	582.0	534.0	581.9
San Francisco Cy & Co										
San Andreas Lake	19.0	14.9	16.6	16.8	15.3	15.0	16.9	14.9	17.6	11.9
Crystal Springs Res.	58.4	46.2	42.7	45.4	51.1	47.2	50.4	43.3	51.5	49.2
San Antonio Reservoir	50.5	35.4	24.8	45.4	43.0	44.4	42.5	41.0	47.7	47.7
Calaveras Reservoir	96.9	64.7	29.6	98.9	81.2	75.7	76.6	62.3	31.6	40.2
Hetch Hetchy Res. (1)	360.4	155.1	33.0	274.4	196.2	294.2	221.8	201.4	146.9	238.6
Lake Eleanor (1)	26.1	9.5	1.0	18.3	10.9	22.6	24.5	8.3	4.1	6.2
Cherry Lake (1)	268.0	120.2	69.7	174.0	167.7	242.7	237.5	105.5	210.4	192.2
SUM	879.3	445.9	217.3	673.2	565.5	741.8	670.3	476.7	509.8	585.9
CENTRAL COAST:										**CC**
Salinas River										
Santa Margarita Lake	23.0	18.1	11.9	24.1	22.1	18.5	13.7	16.2	17.6	13.1
Lake Nacimiento	377.9	159.1	44.3	285.2	260.0	269.1	215.6	204.1	219.4	195.8
Lake San Antonio	330.0	207.2	228.4	336.7	229.0	287.7	268.7	284.2	299.6	239.0
SUM	730.9	384.4	284.6	646.0	511.0	575.2	497.9	504.5	536.5	447.9
Santa Ynez River										
Gibraltar Reservoir	8.2	6.4	4.6	8.5	7.4	7.5	3.0	4.3	2.0	1.2
Lake Cachuma	190.5	157.4	139.0	205.4	141.8	178.7	156.1	165.6	168.5	123.2
SUM	198.7	163.8	143.7	213.9	149.2	186.2	159.1	169.9	170.5	124.3

Water Storage in Selected California Reservoirs
(1,000 Acre-Feet)

Reservoir	Cap	Hist Avg	End-of-month January storage in calendar year: 1977	1983	1998	1999	2000	2001	2002	2003
SOUTH COAST:										**SC**
Ventura River										
Lake Casitas	254.0	215.6	199.7	233.9	236.9	239.3	212.5	207.1	222.1	193.7
Santa Ana River										
Big Bear Lake	73.0	56.2	36.8	65.0	59.0	68.3	58.2	52.8	46.5	37.1
SWP,South										
Pyramid Lake	171.2	162.5	167.5	161.5	169.5	165.3	165.7	158.8	162.9	164.2
Castaic Lake	323.7	251.2	136.8	315.9	286.7	247.7	287.8	303.5	274.8	280.4
Silverwood Lake (2)	73.0	64.0	48.8	70.7	70.3	62.6	70.2	71.0	69.7	71.1
Lake Perris	131.5	113.3	84.2	121.1	107.9	124.4	120.0	98.3	114.4	118.6
SUM	699.4	591.1	437.2	669.2	634.4	599.9	643.6	631.7	621.8	634.3
SACRAMENTO RIVER:										**SB**
CVP,North										
Trinity Lake (3)	2447.7	1765.7	1158.6	2116.8	1799.7	1938.7	1975.7	1682.6	1652.3	1885.9
Lake Shasta	4552.0	3121.7	1533.0	3740.3	3390.2	3588.1	3697.1	3035.3	3516.6	3536.8
Whiskeytown Lake	241.1	204.3	202.0	240.4	205.9	204.7	206.7	211.2	205.1	205.5
Folsom Lake	977.0	513.5	292.0	636.9	542.0	533.2	568.0	491.8	481.0	601.0
SUM	8217.8	5605.2	3185.6	6734.4	5937.8	6264.7	6447.5	5420.9	5855.0	6229.2
Orland Project										
East Park Reservoir	50.9	38.9	4.9	49.0	49.5	48.5	46.1	44.9	48.6	48.7
Stony Gorge Reservoir	50.0	33.6	9.8	41.6	37.5	38.8	39.3	39.0	35.7	40.2
SUM	100.9	72.6	14.6	90.6	87.0	87.2	85.4	83.9	84.3	88.9
Cache Creek										
Indian Valley Res.	301.0	180.0	0.2	273.0	228.9	260.5	228.1	212.0	164.2	156.9
Clear Lake	313.0	211.3	0.0	367.7	289.0	191.5	104.8	65.7	247.2	261.2
SUM	614.0	391.2	0.2	640.7	517.9	452.0	332.9	277.7	411.4	418.1
Solano Project										
Lake Berryessa	1600.0	1307.2	997.2	1666.5	1540.1	1481.9	1396.1	1377.2	1480.4	1570.8
Feather River										
Lake Almanor	1143.0	754.7	599.9	900.5	707.9	857.5	867.7	688.3	691.9	803.4
Lake Oroville	3537.6	2441.5	1605.9	2804.2	2655.0	2767.8	2345.4	1737.2	1915.9	2153.2
SUM	4680.6	3196.1	2205.8	3704.7	3362.9	3625.3	3213.1	2425.5	2607.8	2956.6
Yuba County WA										
Bullards Bar Reservoir	966.1	575.2	269.7	556.8	695.4	693.4	604.8	582.2	659.8	729.1
PG and E										
Lake Spaulding System	144.6	48.0	33.2	25.5	44.9	33.6	51.7	24.3	26.3	51.0
Nevada ID										
Jackson Meadows Res	69.2	32.1	3.2	40.2	37.0	38.2	41.8	34.7	31.3	45.4
French Lake	13.8	8.7	0.0	13.8	6.0	7.8	8.8	7.0	7.4	10.3
Bowman Lake	68.5	34.3	24.8	36.5	35.6	33.6	26.8	25.1	26.9	43.3
Scotts Flat Reservoir	48.5	41.2	17.7	49.1	45.9	48.5	38.7	35.0	37.5	40.3
Rollins Reservoir	66.0	57.1	7.8	67.7	66.0	66.7	65.3	56.1	65.0	66.0
SUM	266.0	173.4	53.5	207.3	190.6	194.9	181.3	158.0	168.2	205.2

Water Storage in Selected California Reservoirs
(1,000 Acre-Feet)

Reservoir	Cap	Hist Avg	End-of-month January storage in calendar year: 1977	1983	1998	1999	2000	2001	2002	2003
SACRAMENTO RIVER, continued:										**SB …**
South Sutter WD										
Camp Far West Res.	104.0	93.8	9.6	109.0	106.1	105.5	105.7	50.2	97.6	104.2
Placer CO WA										
French Meadows Res	136.4	67.4	40.0	55.8	58.6	84.6	75.9	50.8	39.3	75.4
Hell Hole Reservoir	207.6	111.1	84.9	118.5	79.6	109.1	105.3	65.8	53.2	137.5
SUM	344.0	178.5	124.9	174.3	138.2	193.7	181.2	116.6	92.6	212.9
Sacramento MUD										
Loon Lake	76.5	33.8	4.8	31.4	33.5	40.2	36.5	14.8	30.8	31.5
Union Valley Reservoir	277.3	140.2	19.6	211.2	162.7	175.7	131.7	38.1	131.5	158.0
Ice House Reservoir	46.0	21.5	4.7	24.5	21.3	24.4	23.6	16.5	21.0	24.3
Slab Creek Reservoir	16.6	14.4	15.9	15.8	10.5	13.2	12.3	15.8	15.3	15.1
SUM	416.4	209.9	45.0	282.9	228.0	253.5	204.1	85.2	198.7	229.0
SAN JOAQUIN RIVER:										**SJB**
Contra Costa WD										
Los Vaqueros Res.	104.8	79.4	--	--	--	81.0	84.1	75.5	70.7	66.8
Sly Park										
Jenkinson Lake	41.0	31.1	7.7	41.2	30.7	40.6	36.5	32.7	31.2	29.9
Calaveras River										
New Hogan Reservoir	317.1	136.5	68.1	174.4	169.5	181.9	178.5	153.7	147.6	139.0
Tri-Dam										
Donnell Reservoir	64.3	17.7	10.6	6.6	8.8	20.2	16.1	5.8	5.6	7.5
Beardsley Lake	97.8	42.7	4.0	78.0	22.8	41.4	23.1	15.1	22.2	21.1
Tulloch Reservoir	67.0	56.4	19.2	55.7	55.8	52.0	56.9	55.5	55.8	55.3
SUM	229.1	116.7	33.8	140.3	87.4	113.6	96.1	76.4	83.7	83.9
CVP,Stanislaus R										
New Melones Res. (4)	2420.0	1358.0	3.5	1682.7	1925.2	1976.0	1926.0	1874.0	1569.5	1405.3
Tuolumne River										
New Don Pedro Res.	2030.0	1362.8	619.2	1686.9	1618.3	1656.7	1590.0	1643.0	1396.7	1374.5
Merced River										
Lake McClure	1024.6	508.4	212.8	733.6	645.4	674.9	644.9	588.4	416.3	347.6
Up. San Joaquin R										
Florence Lake	64.6	1.3	0.3	1.0	1.1	1.3	1.1	1.0	1.0	1.0
Lake Thomas A. Edisor	125.0	47.2	10.4	100.1	24.1	56.8	49.8	46.4	45.4	46.3
Mammoth Pool Res.	122.7	35.9	16.1	100.3	14.8	30.8	31.1	17.1	22.4	15.3
Huntington Lake	89.8	55.4	45.3	87.5	44.8	46.9	36.3	36.0	38.1	45.9
Shaver Lake	135.4	48.6	27.6	97.7	89.3	93.5	92.2	87.9	108.7	108.4
Bass Lake	45.4	25.2	19.2	34.0	19.9	26.6	29.4	22.6	24.3	26.8
Redinger Lake	35.0	23.8	25.0	25.7	23.6	15.8	23.5	24.4	23.1	23.8
SUM	617.9	237.4	143.8	446.3	217.6	271.7	263.4	235.5	263.1	267.4
Friant										
Millerton Lake	520.0	338.4	252.0	398.4	320.1	457.7	311.5	289.1	290.0	360.8
DWR & USBR										
San Luis Res. (CVP)	971.0	730.9	514.2	369.7	790.5	825.4	590.6	1039.0	894.7	867.7
San Luis Res. (SWP)	1062.0	880.3	586.1	632.5	1068.2	1103.9	914.7	556.9	912.3	569.8
SUM	2033.0	1611.2	1100.3	1002.2	1858.7	1929.3	1505.3	1596.0	1807.1	1437.6

Water Storage in Selected California Reservoirs
(1,000 Acre-Feet)

Reservoir	Cap	Hist Avg	End-of-month January storage in calendar year: 1977	1983	1998	1999	2000	2001	2002	2003
TULARE LAKE:										**TLB**
Kings River										
Courtright Reservoir	123.2	43.4	34.7	115.8	51.5	51.5	42.6	13.6	32.8	43.2
Wishon Reservoir	128.3	39.8	49.0	57.2	45.1	45.1	60.8	63.3	54.7	38.3
Pine Flat Reservoir	1000.0	491.9	266.3	646.0	574.0	663.4	434.7	425.1	417.3	305.1
SUM	1251.5	575.1	350.1	819.0	670.6	760.0	538.1	502.0	504.8	386.7
Kaweah River										
Lake Kaweah	143.0	21.4	13.7	70.5	9.3	11.1	22.3	15.0	20.9	16.1
Tule River										
Lake Success	82.3	18.9	10.8	56.6	13.0	17.0	13.5	13.3	15.4	14.0
Kern River										
Lake Isabella	568.0	162.3	66.6	290.8	242.0	248.7	167.6	130.2	107.5	142.0
NORTH LAHONTAN:										**NLB**
Truckee River										
Lake Tahoe	732.0	368.6	163.2	580.0	529.7	598.2	559.1	403.8	140.9	86.2
Prosser Creek Res.	29.8	9.1	0.1	9.0	9.6	9.7	9.7	9.7	8.3	8.7
Stampede Reservoir	226.5	132.2	42.5	201.7	187.4	204.7	203.2	194.3	154.2	116.3
Boca Reservoir	41.1	16.6	24.3	25.7	19.3	32.8	11.5	12.9	8.1	8.4
SUM	1029.4	526.4	230.1	816.4	746.0	845.3	783.5	620.7	311.4	219.5
East Walker River										
Bridgeport Reservoir	42.6	25.2	11.1	28.4	33.1	40.2	22.4	17.0	13.4	13.5
SOUTH LAHONTAN:										**SLB**
Los Angeles DWP										
Grant Lake	47.6	28.3	11.2	45.9	41.5	41.6	39.8	41.7	31.8	20.7
Lake Crowley	183.2	123.8	45.1	151.5	115.2	122.5	116.0	124.6	123.3	116.4
Tinemaha Reservoir	16.3	2.4	6.3	8.5	2.1	2.3	2.3	2.9	2.1	2.7
Haiwee Reservoir	41.2	32.6	40.4	40.5	26.9	27.1	29.9	35.7	29.2	31.9
SUM	288.3	187.2	102.9	246.4	185.8	193.4	188.0	204.9	186.4	171.7
COLORADO RIVER:										**CDI**
Colorado River										
Lake Powell	25002.0	19268.6	18020.0	22410.0	21102.6	21344.1	21137.0	19327.8	17507.0	13269.1
Lake Mead	26159.0	20586.5	21988.0	23921.0	25068.0	24836.0	25046.0	22523.0	19870.0	16854.0
Lake Mohave	1810.0	1674.5	1676.1	1770.3	1681.6	1647.3	1682.8	1678.5	1673.8	1705.3
Lake Havasu	619.4	547.6	542.7	532.6	547.8	533.7	552.6	556.4	549.6	537.1
SUM	53590.4	42077.2	42226.8	48633.9	48400.0	48361.1	48418.4	44085.7	39600.4	32365.5

Footnotes:

1) Located in Sierra Nevada (San Joaquin Basin drainage)
2) Located in South Lahontan Basin drainage
3) Located in North Coast drainage
4) 1977 value is for old Melones Reservoir

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